

WIPP Status and Plans - 2010

National Transportation Stakeholders Forum Chicago, Illinois

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Transportation Success



"...The [WIPP transportation] system is safer than that employed for any other hazardous material in the U.S...."

National Academy of Sciences,



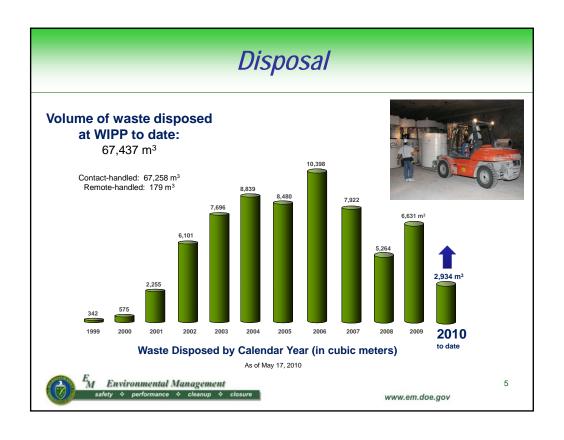
- First shipment to WIPP departed Los Alamos National Laboratory on March 25, 1999
- WIPP honored with U.S. Transport Council award for transportation safety in January 2009
- More than 8,500 shipments have arrived safely
- Surpassed 10 million loaded miles to WIPP
- Many others

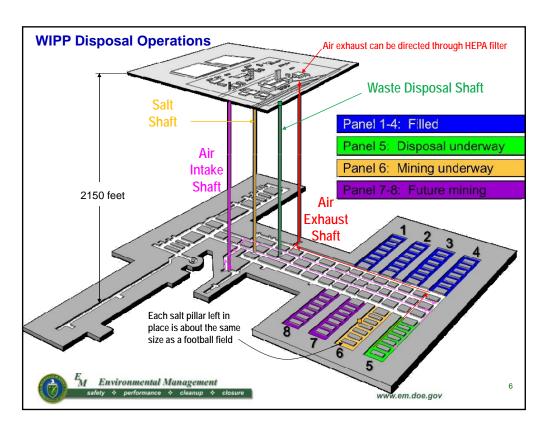
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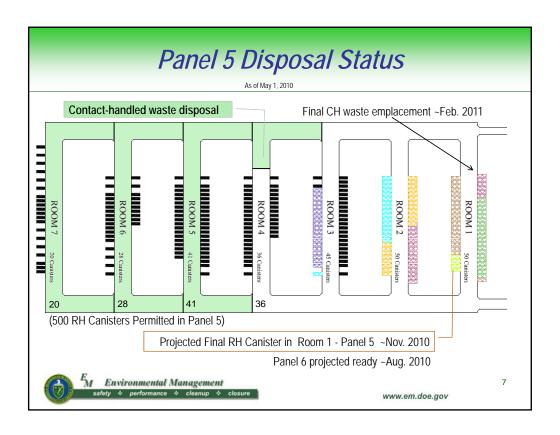
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Key Regulatory Activities



- Compliance Recertification Application (CRA)
 - Required every five years until closure (March 26, 1999)
 - CRA documents continued compliance with long-term disposal regulations
 - EPA to announce Completeness Determination June 2010
 - o Re-certification approval expected ~Dec. 2010



- Hazardous Waste Facility Permit Renewal Application
 - o Ten-year permit issued in October 1999
 - NMED issued draft permit April 27, 2010
 - Public comment period through June, 2010
 - Hearings ~August
 - o New Permit approval expected ~Dec. 2010



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WIPP drivers meet strict requirements



After hiring, WIPP drivers go through rigorous training before being allowed to transport waste to WIPP.



Sample hiring qualifications and requirements

- Meet or exceed federal requirements
- Minimum 325,000 miles in semi-tractor trailer combination within the last five years or 100,000 miles per year in two of the last five years
- Excellent safety record (even in personal vehicles)
- Must pass background check for security

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Commercial Vehicle Safety Alliance Level VI Inspection at Point of Origin (2-3 hours)













Drivers inspect rigs and loads every 3 hours or 150 miles. Some states require added inspections at their ports of entry.



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Commercial Vehicle Safety Alliance Level VI Inspection Protocol



- Coupling devices
- Exhaust system
- · Brake system
- · Fuel system
- Suspension
- Tires/wheels/rims/hubs
- Lighting: headlamps, tail, brake, running, instrument, turn signals
- Trailer interconnection systems
- Windshield and wipers
- Emergency equipment

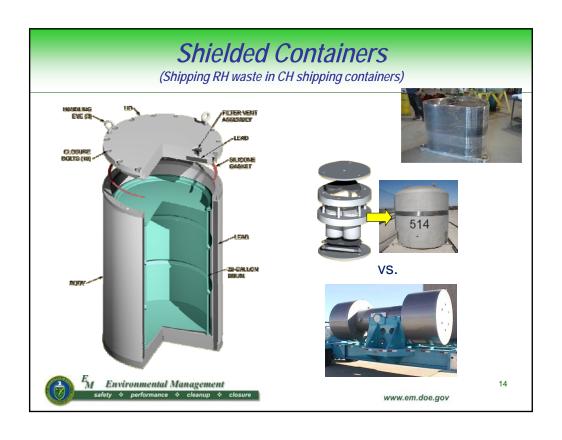
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- Cargo securement
- Electrical system
- Frames/supports
- Steering linkage



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Gamma Shielded Containers

- DOT-7A certified
- NRC license for shipping in HalfPACT issued March 2009
- ~1/3 fewer shipments than RH-72B for equivalent volume
- Much more operational flexibility when handled as CH





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Shipping Status at Generator Sites









Idaho National Laboratory

- INL continues shipping with two certified programs:
 - AMWTP (CH only) and,
 - CCP (CH+RH supporting both ICP & AMWTP)

Los Alamos National Laboratory

 CCP support continues to characterize and certify CH+RH for as needed to support Area G cleanup

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Shipping Status at Generator Sites (continued)





12,500 m³ emplaced in WIPP

~5,200 m³ remains

Savannah River Site

- Continued deployment of CCP through FY12
- Majority of 5,200 m3 to be re-packaged into 55-gallon drums and SWBs
 - Shipment to WIPP over the next two years
- SRS to repackage large container into SWBs
 - SWB currently approved payload container for shipment in the TRUPACT-II
- Small part of inventory to be packaged into SLB-2 containers due to size reduction issues
 - May eventually be shipped from SRS in the TRPACT-III, once licensed



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Shipping Status at Generator Sites (continued)



Oak Ridge National Laboratory

- TRU waste processing facility (TWPF) will continue to package both CH and RH
- CCP will continue to conduct characterization, certification, and mobile loading operations for the foreseeable future

Hanford

- CCP deployed to Hanford in 2010
- Initial goal to characterize & certify ~1000 existing over-packed drums (85-gallon)
- Shipment to INL for treatment & CCP certification (at INL) for disposal at WIPP
- FY11 CCP at Hanford to support direct shipment of both CH and RH
- Dependent on funding



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